

CAMPUS NEWS

Orléans in France reaches out to Wollongong



Video conference link. (from left) At Wollongong : The Vice-Chancellor Professor Ken McKinnon, the French Ambassador to Australia, His Excellency Mr Philippe Baude. In Orleans: President of the University, Mr Didier Billard, the interpreter, Senior Trade Commissioner, Australian Embassy in Paris, Mr Charles O'Hanlon, University of Wollongong representative Mrs Helen Feustel.

The University of Wollongong and the Université D'Orléans signed an agreement of co-operation on 31 March to promote international understanding, and increase scientific co-operation and the development of research and co-operation in areas of common interest.

A video conference and fax link-up provided the opportunity for senior executives from both institutions to greet each other and exchange signed documents.

Both universities have been active in developing new technologies for use in education and a live video-conference fitted well with these wider objectives.

It is believed to be the first time that such an event, using this technology, has taken place between France and

Australia, and quite probably the first time in Europe.

Co-operation will be encouraged in the areas of student exchange; exchange of teachers or researchers; exchange of publications, documents and scientific findings as well as any other type of collaboration of interest to the two universities.

There are several areas, apart from language courses, which have potential for developing as exchange areas.

The Université D'Orléans was founded in 1306 by Pope Clement V and includes Calvin, Rabelais and Erasmus among its most prominent students from this era.

It was re-opened in 1988 after having been closed for 200 years.

Apart from its age, the Université d'Orléans and the University of Wollongong have remarkably similar profiles which will provide fertile ground for many opportunities for co-operative ventures.

Orléans has 14,500 students. The city of Orléans is one hour by train from Paris and it has a population of 220,000.

There are three major schools – Law and Business; Humanities and Letters; and Sciences – an Institute of Technology – mechanical and production engineering, chemistry, public and business administration, data processing and financial management and an Advanced School of Engineering with advanced studies in energy and materials.

Continued page seven

Community turns out in force to welcome Shoalhaven initiative



The Vice-Chancellor, Professor Ken McKinnon, the Chancellor Dr RM Hope, Shoalhaven City Council Deputy Mayor Alderman William Hilzinger and Coordinator of the Graham Park Campus Mr Ray Cleary

\$10,000 scholarship announced

The individuals and organisations in the Shoalhaven community demonstrated their support for the establishment of the Graham Park Campus at Berry at the official opening on 2 April.

More than 300 people, including Year 12 students from Bomaderry, Nowra and Shoalhaven High schools and students from Berry Primary School attended the function.

Traditional University regalia blended with the attractive pastoral surroundings to create a festive atmosphere.

Helicopters, provided by the HMAS Albatross, flew overhead to coincide with the official procession.

The Navy also provided seating and personnel to help with the setting up.

The Berry Silver Band entertained the guests and another local musical group, the Moonshiners, performed a song they had composed especially for the occasion:

The Breeze From The Valley

To those men and to those women
Who have tried for a thousand years
To show learning is our best weapon
To right ignorance and fears

We'll walk on the paths you have travelled
We'll learn from the places you've been
Prejudice blinded by wisdom
From the lights of the things you have seen

May you turn your bright white beacon
To peel away layers of dark
On the gates as they slowly open
And on the path leading up through our park

Light up the path to the doorstep
The dew on the spiderweb shakes
Look out across our valley
See how the hillside awakes

Chorus:

Can we stand upon your shoulders
As the sun breaks through the trees
And the breeze sweeps up from the valley
And blows away the leaves

Composed by Greg Newton

During the ceremony the Deputy Mayor of Shoalhaven and Deputy Chairman of Illawarra Electricity Alderman W Hilzinger announced the establishment of a scholarship sponsored by Illawarra Electricity valued at \$10,000 for a student studying at the Berry Campus

Prime Minister supports extension of the University's services

This letter of congratulation and support from Prime Minister, the Hon. Paul Keating, was read at the ceremony:



PRIME MINISTER
CANBERRA

MESSAGE FOR OPENING OF GRAHAM PARK CAMPUS OF THE UNIVERSITY OF WOLLONGONG, FRIDAY APRIL 2nd, 1993

I take pleasure in extending my congratulations to the staff and students of the University of Wollongong upon the occasion of the opening of its Graham Park campus.

Since its establishment as an autonomous institution in 1975, the University of Wollongong has continued to extend its services in a range of areas. The Graham Park Campus represents a significant first step towards the University establishing a facility that will increase the access of students of the South Coast and Illawarra regions to higher education.

The Government looks to the successful growth of the new venture, particularly in its emphasis upon telecommunications opportunities for course delivery.

I extend my best wishes to all those involved in today's opening, in the confidence that the new campus will be a further enhancement to the University's course provision as it seeks the flexibility and diversity to meet the educational needs of the 1990s.

P J KEATING

University co-ordinates Australia's first major art exchange with Taiwan

Associate Professor Peter Shepherd from the School of Creative Arts is curating the first major exhibition of Contemporary Australian Art for Taiwan.

This exhibition will include 100 works by 30 of Australia's leading contemporary artists and will be shown in December in one of Taiwan's most prestigious galleries, the Fine Arts Museum in Taipei.

This is the first part of an exchange project, in which a return exhibition of similar scale of contemporary art from Taiwan will be shown in Australian state and regional galleries in 1994.

The Art from Taiwan will be shown in the Gold Coast City Art Gallery, Wollongong City Gallery, The Museum of Contemporary Art in Sydney and perhaps the Art Gallery of Western Australia.

The project was initiated in response to a request from the Fine Arts Museum in Taipei through David Chen, who is researching for his Doctor of Creative Arts in the School.

Associate Professor Shepherd received a Vice-Chancellor's Challenge Grant of \$12,000 to initiate the project and has received help and enthusiastic support from the Taipei Economic and Cultural Office in Sydney and the Australian Commerce and Industry Office in Taipei.

The project has already attracted funding of \$45,000 from the Australia Council's Visual Arts/Craft Board, \$21,000 from the Australia-China Council of the Department of Foreign Affairs And Trade and \$5000 from the Australian Exhibitions Touring Agency.

Mandarin Airlines is a sponsor of the project. The Yang Ming Line has offered their services in transporting the valuable cargo.

'The art world of Taiwan has a good understanding of contemporary art from Europe and the USA, but little is known about Australian art, Associate Professor Shepherd said.

'In the same way, Australia is unaware of the exciting developments in the contemporary art and culture of Taiwan.

Opportunities for corporate and individual sponsorship

'It is an opportune time for this venture, as our two countries are at present in the process of strengthening economic and cultural relations.'

A group from Australia, led by Associate Professor Shepherd travelled to Taiwan in October last year to meet with the staff of the Museum in Taipei and with artists and gallery personnel in several cities.

The Australian group was overwhelmed by the enthusiasm of the artists in Taiwan and with their desire to be involved in the project.

The visits to art foundations, to artists' co-operatives and galleries in Taipei, Taichung and Tainan revealed the great diversity and strength of the art being produced in Taiwan at present.

The artists and museum staff in Taiwan were also impressed and excited by the examples of Australian art presented by the visiting group.

A major long-term goal of the project is the future exchange of art-

ists and exhibitions and research into the processes of art exchange.

The project needs support from companies and individuals who are interested in promoting this important cultural exchange between the two countries.

There are several ways in which the project can be supported; direct financial support for curatorial costs, printing of the catalogue, and support in kind for crating, insurance, transport of artists and staff, accommodation in Taiwan and in Australia.

Companies and individuals will be acknowledged on all publicity material and in the catalogues and posters for each exhibition, both in Taipei and in Australia.

Supporters will receive invitations to the preview exhibition and to openings of the exhibitions.

Contributors will have the opportunity to be featured in an Australian Trade Fair being organised by the Australian Commerce and Industry Office in Taipei to coincide with the exhibition there.

Any individual or company interested in contributing to the project should contact Mr Peter Chen at the Taipei Information Office in Sydney on 232 5906 or Associate Professor Shepherd on 042 21 3587.



ITC BULK MATERIALS HANDLING
The Illawarra Technology Corporation Limited

SHORT COURSE ON DUST and FUME EXTRACTION

8-9 July 1993

Dust and fumes can have detrimental effects on humans, the environment and process efficiency. Increasing pressure is being placed on industry to enforce efficient methods of dust/fume control.

Unfortunately, too many systems are operating inefficiently or being designed incorrectly. This short course aims to provide training and hands-on experience in designing, selecting, improving and trouble-shooting industrial extraction systems. The major topics to be covered include: basic concepts, terminology, problems; dust characterisation; fan performance and characteristics; hood and enclosure design; capture and minimum transport velocities; duct design techniques; plant design to minimise dust generation; sizing and selecting dust collectors; industrial case studies.

Course Fee: \$500 (includes notes, lunches)

Registration and Further Information:

Dr Peter Wypych or Professor Peter Arnold,
Department of Mechanical Engineering, University of Wollongong,
Northfields Ave., Wollongong NSW 2522.

Phone: (042) 213488, 213062. Fax: (042) 213101.

University financial statements

Changes to accounting policy

Amendments to legislation and changes to the Australian Accounting Standards have resulted in changes in accounting policies which had considerable impact on the operating result and accumulated funds for 1992, as detailed below.

Grants and contributions totalling \$13.1 million received in 1991 for the 1992 year have not been included in the Income and Expenditure Statement for 1992.

This clearly has an impact on the operating result for 1992. Total income reported in the Income and Expenditure statement in 1992 is \$94.1 million compared with \$94.7 million in 1991.

After allowing for the \$13.1 million received in 1991 for the 1992 year, total income for 1992 is \$107.2 million.

Commonwealth Government grants were the most affected by this change in accounting policy.

The reported income for recurrent grants for 1992 appears to have dropped from \$58.3 million in 1991 to \$55.0 million in 1992, when in fact the University received a total of \$64.5 million for the 1992 year.

Grants for 1993 will not be affected in this way as the Commonwealth Government has amended its grant payment schedule so that all income in respect of the current year will be received in that year.

The above change, together with other changes in accounting policy also impacted on accumulated funds which increased to \$111.6 million at the beginning of 1992. At the end of 1992 accumulated funds totalled \$116 million.

This amount should not be construed as available unspent funds as a major component is represented by property, plant and equipment which cannot be realised.

The most significant variances between total income received for the 1992 year (including \$13.1 million referred to above) and 1991 income

occurred in Commonwealth Government grants (\$6.2 million or 10.6 per cent for recurrent and \$3.4 million or 63.1 per cent for research), student fees (\$2.92 million or 20.2 per cent) and investment income (-\$1.2 million or -31.8 per cent).

The increase in the Commonwealth Government recurrent grant reflects increases to cover the pipeline effect of approved growth in student load, combined with supplementation to cover academic salaries and other cost increases.

The increase in Commonwealth Government research grants reflects the University's enhanced reputation and ability to attract research funds.

A review of investment performance for the year indicates that returns were equal to, or better than, the benchmark return established by the NSW Treasury

The increase in student fee income is a combination of increases in international student fees (\$2.129 million), student residence fees (\$729,775) and miscellaneous fees (\$64,444).

The continued growth in the international student program is the result of sustained recruitment of first year students with particular emphasis on postgraduate students, higher retention rates of other students, the growing reputation of the University and further development of new markets.

The increase in student residence fees is the result of additional places constructed at Campus East and available from Autumn session 1992.

Interest rates continued to fall in 1992 thereby adversely affecting investment income.

Despite this, a review of investment performance for the year indi-

cates that returns were equal to, or better than, the benchmark return established by the NSW Treasury.

The most significant changes in expenditure included a reduction in consultant fees as the result of fewer consultants being used in 1992, a reduction in depreciation reflecting the full impact of building valuations which were revised downwards in November and December 1991 in accordance with audit requirements, increases in library and minor works reflecting increased budget allocations for those items in 1992.

A reduction in repairs and maintenance reflected specific one-off projects undertaken in 1991, which increased the 1991 level of expenditure.

An increase in travel expenditure reflected an increase in activity associated with research projects and overseas student recruitment.

The increase in research travel is consistent with the increase in income received for research purposes.

Variances in the provisions for annual leave and long-service leave reflected the annual net change to the University's liability for employee leave entitlements.

Before 1991, these liabilities were estimated.

For 1991, the actual liability for annual leave was calculated resulting in a credit adjustment of \$304,000 in that year. The \$65,000 reported in 1992 reflects the net change to the liability from 1991 to 1992.

The doubtful debts provision has been reduced from \$127,000 in 1991 to a credit of \$22,000 in 1992.

The 1991 provision had been increased to cover a specific debt, which was subsequently collected.

The credit in 1992, together with the reduction in bad debts, reflects a net decrease in the proportion of total debt which is considered at risk combined with improvements in debt collection.

SBS executives to advise on multi-media

Two SBS executives, Dr Austin Steel and Mr Ian Hamilton, have been appointed as Honorary Senior Fellows with line responsibility to the Pro Vice-Chancellor (Academic), Professor Lauchlan Chipman, via the Executive Director of the Communications Centre, Mr John Anderson.

Mr Hamilton and Dr Steel are now frequent visitors to the campus where they are advising on instructional and presentational design and setting up training programs for staff who will be involved in the multi-media initiatives of the new Communications Centre.

Mr Hamilton, a former Wollongong resident, is the Director of Production with SBS television.

He has held positions with TCN 9, STW-9 Perth, Migrant Education Television, and in 1979 was a producer/director with WIN TV.

Since 1980, he has occupied roles at SBS as Head of Programming, Head of Television, and Station Controller.

In 1989 he initiated an educational project called English at Work. He is currently developing more than 20 educational projects.

He holds a Bachelor of Business (Accounting) from Kuring-gai College, University of Technology, Sydney, and a Certificate of Operational Management.



Dr Austin Steel and Mr Ian Hamilton

Dr Steel has been a production executive at SBS since 1986.

He holds a BA(Hon) University College of Dublin, MA(Art Comm) Columbia University New York, PhD (Linguistics) University College of Dublin, DipSpeech Therapy Central School London University.

He has held media communication seminars at Cambridge University, Sussex University, Durham University, Southampton Unit, Adelaide University, Australian National University, Murdoch University, Tasmania University, Queensland University and the University of Wollongong.

He has been engaged as visiting Associate Professor in Media Communication, Suva University, guest lecturer for media studies at universities in Minz, Oslo, Singapore, Hong Kong, Boston, British Columbia, UCLA, and has held the positions of Head of Scripts for BBC Television for O Brother, Two Ronnies and Dave Allen.

He has directed and produced more than 3000 TV programs and conducted industry training for the ABC, SBS, the 7 Network, TVNZ, BBC, ITV, WDR (Germany) and ZDF (Germany). From 1980-84 he was Head of the Open Program at the Australian Film and Television School.

Any ideas on parking?

We are now into the fourth week of session and parking is still an issue on campus, with a regular flow of complaints about the difficulties of finding parking spots and parking fines.

Commonly the question is 'What is the Administration going to do about it?'

Ken Baumber, Vice-Principal (Administration), realises that at this time of year parking is a problem.

The problem will probably diminish as the year goes by, but this is not very helpful.

Consumer resistance to purchasing parking permits has been balanced by three years with no increase in costs.

Despite improved bicycle/pedestrian access, more bicycle racks, more regular and convenient bus services (including regular shuttles between the campus and halls of residence) and car pooling initiatives, the situation is probably worse than at a comparable time last year.

Frustrations caused by long and sometimes ultimately fruitless searches

for spaces are understandable (although a permit is only a licence to hunt for a spot, not a guarantee of one as some people seem to think).

Security are being as helpful and understanding as they reasonably can be over illegal parking, by concentrating on those who park thoughtlessly, carelessly and dangerously.

But what else are we doing about it?

First a few facts. We have some 2010 parking spaces on campus.

We have never received any funding for these from Government and the total cost of providing all the existing parking spaces has therefore had to be met from the University's own resources and from loans which need to be repaid from the parking revenue.

All parking income goes towards loan repayment, upkeep of parking areas and the gatekeepers.

There is little scope for providing more 'on-the-ground' parking without eating further into the green and landscaped areas. Even the most basic of car parks costs approximately \$1000 per

space to install.

Multi-storey places are much more expensive at about \$8000 per place.

We are looking at several options to add more spaces, but all will inevitably be expensive and, unless we look seriously at further increases in parking costs, we may not be able to proceed with enough of a program to make any real difference.

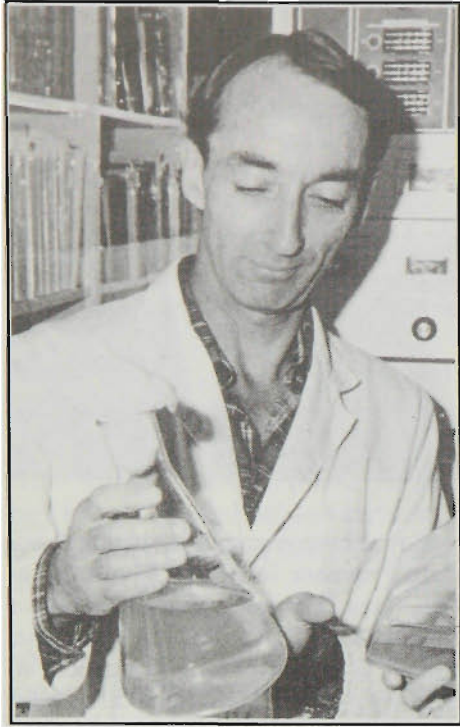
What are the alternatives?

The only real options are more parking spaces or fewer cars on campus, which would mean placing restrictions on those who can park.

While this is the norm at many other universities, people who were here when controls over parking had to be introduced a few years ago will doubtless remember the heat in the debate on that and related issues.

The University's Parking Committee, of which Ken Baumber is the Chair, is grappling with the problem at present and would welcome constructive ideas and suggestions on how we might improve the situation.

Biological researchers honoured



Associate Professor Ross Lilley

Two senior academics in the Department of Biological Sciences have had their research achievements honoured by invitations to take up Adjunct Senior Fellow appointments at the Institute of Advanced Studies at the Australian National University.

The Institute represents, collectively, the original Centres of Excellence formed in the 1950s and oriented towards fundamental research.

The Research Schools within the Institute have achieved international recognition and continue as a focus of scientific research in Australia.

Associate Professor Ross Lilley has taken his appointment with the Research School of Biological Sciences and is associated with Dr T J Andrews.

His appointment has been in recognition of his contributions to photosynthesis research, especially regarding the mechanism by which plants fix and metabolise carbon dioxide from the atmosphere.

Dr Lilley has had collaborative projects with researchers in Canberra at the Research School and CSIRO Plant Industry since 1977.

Associate Professor Ted Steele has accepted his appointment at the John Curtin School of Medical Research and will be associated with the Division of Cell Biology. His appointment has been in recognition of his fundamental studies on the mechanism of somatic and germline evolution of the antibody receptor genes in the immune system. These researches date back 15-17 years and during most of that time Dr Steele has had some form of association with the school.

These appointments will be of mutual benefit to both the ANU and University of Wollongong and will particularly enhance the Cell and Molecular Biology Program and the associated postgraduate research in the Department of Biological Sciences within the Faculty of Science.

Can acquired characteristics be inherited?

Associate Professor Ted Steele of the Department of Biological Sciences and the Division of Cell Biology at the John Curtin School of Medical Research at the Australian National University, delivered a public lecture on new ideas in evolutionary thinking, 'Lamarck, Darwin and the Immune System', in Canberra last week at the Australian Science Festival.

This lecture is also to be published in 'Today's Life Science' with a commentary article.

The lecture is based on papers written in association with Harry Rothenfluh, who undertook research supported by the Government Employees Medical Research Fund as part of a Ph.D.

Recent studies in the immune system and in unicellular microbial systems are pointing to the tantalising possibility that a changing environment may have a specific and direct effect on our genes.

That is, acquired characteristics can be inherited – a concept that profoundly affects the traditional ways of thinking about evolution.

Molecular genetic studies are strongly pointing to the existence of environmentally sensitive genetic feedback loops which provide a sense of 'anticipatory purpose' for each new generation of progeny organisms.

The key problem the data addresses is related to the following question: 'How do we account for the inheritance in the germline of a characteristic which by an established set of criteria only arises in the soma?'

A simple analogy would be the callus pads on the bottom of our feet which



Associate Professor Ted Steele

are evident already in the embryo, i.e. in the strategic bodily sites designed for constant rubbing against the environment are present in the baby before their feet come in contact with the ground.

A similar phenomenon is seen in the prominent callosities in the ostrich over their sternum bone, their pubic bone, their ankles and feet. These are also present in the germline [i.e. the embryo].

The adult ostrich uses these callosities constantly as resting pads during inactivity.

There are numerous examples like this throughout the biological world crying out for a logical explanation via environmentally sensitive genetic feedback loops of the type proposed by Rothenfluh and Steele.

For the immune system their data show that antibody genes in mammals have been stored in the germline in a very

economical and *non-random* fashion. Each one appears to be 'put there' by powerful selective forces, best understood via the agency of a Lamarckian soma-to-germline genetic channel.

Another scientific analogy to describe their data might be one from modern cosmology and astronomy.

The existence of a particular type of very low level 'background' radiation is taken as evidence (using very sensitive detectors) of the remnants of the hypothesised 'big bang'.

In a way the germline genetic analysis on antibody genes is similar to this. The data points to soma-to-germline penetrations occurring often in the evolutionary past.

As these genes are harvested using the latest gene detection and isolation technology (the Polymerase Chain reaction), they show molecular features inconsistent with evolution under a random genetic model.

In fact the gene mutations occur exactly in the DNA sequence where you would expect to find them based on how the specific combining site of an antibody protein binds to the foreign antigen.

Thus the molecular data are operationally the equivalent to the more visible and strategically placed 'germline-callosities' discussed above.

Whether acquired characteristics can be inherited is a universal question the answer to which affects us all.

The consequences of the recent positive studies offer profound insights for understanding the origin of our species and our place in the Universe.

Orléans, France reaches out to Wollongong

From page one

The main research areas are: biology, energy and material processing, environmental resources, information processing and artificial intelligence, economic development and urban planning, literature and contemporary civilisation.

Orléans is quite active internationally and has 50 formal exchange programs: 20 in Europe and 10 in the US. Wollongong is the first in Australia.

The University of Wollongong is encouraging more students to spend a session or a year abroad while enrolled

in a program of study which will count towards the degree at Wollongong.

During 1992 approximately 40 students took part in the formal Student Exchange programs and another 17 students are on exchange in Autumn Session, 1993.

The agreement with Orléans will be the first agreement the University of Wollongong has signed with a French university. As part of the international activities over the past four years Wollongong has 15 agreements with universities in the USA; two in the UK and one in Sweden.

The agreements are reciprocal in terms of the number of participants and the conditions of the exchange.

Tuition fees are waived under the terms of the agreement, but the students pay their own airfares and living expenses.

Through these programs, students have the opportunity to broaden their educational experience and equip themselves to meet the challenges and demands of our global society.

At the same time they participate in cultural exchange and contribute to international goodwill.

To mark its official opening, the Council met on 2 April 1993 at the Graham Park Campus, Berry.

Council began its meeting by moving a vote of thanks and congratulations to Mr Ray Cleary, Coordinator of the Graham Park Campus, and all involved in the presentation of the Opening Ceremony.

The major items discussed at the meeting were:

- Re-appointment of Professor Lauchlan Chipman to the position of Pro Vice-Chancellor (Academic) for a four year term.

- Establishment of a second Pro Vice-Chancellor (Research) position to be filled, as an interim measure, by the Dean (Graduate) for the remainder of his term (ie until 30 June 1994). The

Council News

Pro Vice-Chancellor (Research) position then to be advertised and the position of Dean (Graduate) to be deleted as its functions will be absorbed by the new Pro Vice-Chancellor position.

- A restructuring of the Academic Senate to provide for 50 per cent elected representation and for an equitable gender balance.

- Receipt of the Report of the Review of the Department of Science and Technology Studies and endorsement of the implementation as recommended by the Senate.

- Approval of the continuation of the Bonus Entry Scheme for Wollon-

gong students with an extension to the students of the Graham Park Campus. Council also approved the retention of the present 10 per cent entry scheme amended to require a TER of no more than five points (instead of seven) below the cut-off.

- Establishment of a separate Department of Information and Communication Technology within the Faculty of Informatics (the staff of the current unit to be transferred across).

- Approval of the Graduate Diploma in History Education for introduction in 1994 and the Special Program for Australian Studies for 1993.

- Endorsement of the University's 1992 Financial Statements. (See page four)

LAW WEEK 1993

THE TRIAL OF THE FAIRLY SENSIBLE PIG

SUNDAY, 2 MAY, 1993 2pm
(Repeat Performance: TUESDAY, 4 MAY, 1993, 7.30pm)
COURT HOUSE, WOLLONGONG

Students of the Faculty of Law and members of the Local Bar will be performing the play "The Trial of the Fairly Sensible Pig" (Of the Three Little Pigs) in the Supreme Court.

The Fairly Sensible Pig has been charged with murder. Is he guilty of murdering the Big Bad Wolf?

The play promises to be entertaining and also informative.

BOOKINGS

DON'T MISS OUT - LAST YEAR'S PLAY WAS A RUNAWAY SUCCESS

Bookings are essential through the Clerk of the Court, phone (042) 29 8111.

LAW WEEK 1993

FACULTY OF LAW

(in conjunction with the Women Lawyers Association)

"LAW AS A CAREER" SEMINAR

TUESDAY, 4 MAY, 1993 7pm

- Career Information
- Course Details
- Admission Requirements

SPEAKERS

- Practising Lawyers
- Academic Staff
- Law Students

WHERE

- Function Rooms, University of Wollongong Northfields Avenue Wollongong

WHO SHOULD ATTEND

- Prospective student
- Careers Advisers
- School leavers
- Mature age students
- Other interested persons

BOOKINGS

- Bookings **ESSENTIAL**
- Phone: Maria Agnew (042) 21 3456
- Fax (042) 21 3188

HOPE THEATRE

Bookings phone 21 4214
Western Entrance, Northfields Avenue.

17-29 May, **The Chapel Perilous**, John Senczuk. 30 May: Illawarra Choral Society Performance, 5-9pm. 5-7 June: Regional Poets Co-op Conference, 9am-10.30pm, Ron Pretty.

LONG GALLERY

An exhibition of photo art by Michael Thompson, Peter Jones and Peter Kemp is being held in the Long Gallery. Hours: Mon-Fri 9am-5pm. Sunday: 1.30-4pm. Enquiries: 21 3996

GENERAL

The Department of Biological Sciences is holding a series of seminars titled '**The Cell and Molecular Evening Seminar Series**'. The next seminar is on 10 May. The Calbiochem Seminar on Cell Signalling will be given by Dr Michael Crouch, from the John Curtin School of Medical research, ACT. The seminar is titled 'How G Proteins tell cells where to go'. The seminar will be held in Building 35, Room 105 from 8pm with drinks to follow. Enquiries: Julie-Ann Green, ext. 3427.

27 April: The next meeting of the **Women's Issues Group** will be held at 7.30pm in Room 40.1 of the new Function Centre, Union Building, Northfields Avenue (University of Wollongong). The

What's On

program is: Organ Donation Overview by Moira McLoughlin, a NSW transplant co-ordinator. This is followed by **Beads, Beads**, presented by Carol Cumming from Beads Galore. Cost: Members \$2.50; Non-members: \$3.50. Enquiries to Moira, phone 84 3741.

Illawarra Committee for Overseas Students events for this year are: 8 May, Canberra (Adults \$12, Children \$10); 9 May, Blue Mountains; 31 July and 7 August, Snowy Mountains; 18 September, Blue Mountains; 26 and 27 September, Canberra; 16 October, Sydney Aquarium and harbour cruise; 4 December, Australia's Wonderland. Tickets and details are available from ICOS office, 3rd Floor, Union Retail Centre on Tuesday, Wednesday and Friday from 9.30am to 2pm or phone 21 3158.

Considering further study or just some recreational reading? Visit the **University Graduates bookshop and gallery book sale** at Campus East, Fairy Meadow. The stock of used books covers: Science & Engineering, Social Sciences, Arts & Music, Education, Fiction & Non-Fiction, Young Readers' Stories & Classics. Open every fourth Saturday and Sunday from 1-5pm, the bookshop is located at Cowper

Street, Fairy Meadow (opposite the Science Centre). Your donations of any material are invited. These may be left any weekend afternoon at the Science Centre (Please mark "Booksale"), or The Library or Students Enquiry Desk during the week.

Animal Experimentation Ethics Committee meeting dates, with agenda deadlines in brackets, are: 24 May (14 May); 9 August (30 July); 22 November (12 November).

Human Experimentation Ethics Committee meeting dates with agenda deadlines in brackets are: 27 April (13 April); 25 May (11 May); 13 July (29 June); 24 August (10 August); 5 October (21 September); 16 November (2 November); 21 December (7 December).

Submission of papers for the **Undergraduate Studies Committee** must be given to Trevor James by 5pm, on the following dates:

11 May,
29 June,
1 September and
26 October.

Stop Press

Graduation ceremonies to christen new Union Hall

There will be six graduation ceremonies in May held in the new Union Hall, as follows:

Tuesday, 11 May, 2.30pm: Arts, Health & Behavioural Sciences (BA only)

Wednesday, 12 May, 9.45am: Engineering, Informatics

Wednesday, 12 May, 2.45pm: Health & Behavioural Sciences (other than BA), Science.

Thursday, 13 May, 9.45am: Commerce: Assoc Dips; BCom (A-K); MCom; MCom(Hons), Law: GradDipLaw.

Thursday, 13 May, 2.45pm: Commerce: BCom (L-Z); BCom(Hons); GradDipCom; MBA.

Friday, 14 May, 10am: Education

Invitations to all academic staff to attend and to join the academic procession will be circulated shortly.

Campus News is published weekly on Wednesdays. Send material, preferably by Microsoft Mail or on disk, to Gillian Curtis (042) 21 3110 by noon on Monday of the week before that of publication